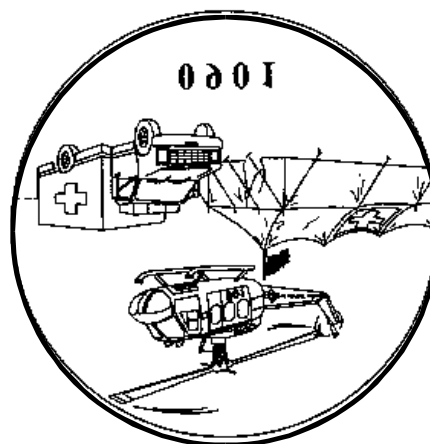
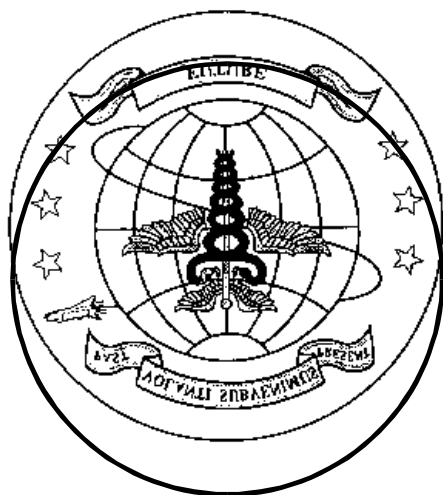


DEPARTMENT OF THE AIR FORCE
Headquarters US Air Force
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CFETP 4F0X1
Parts I and II
12 March 1998

AFSC 4F0X1 AEROMEDICAL SPECIALTY



CAREER FIELD EDUCATION AND TRAINING PLAN

**CAREER FIELD EDUCATION AND TRAINING PLAN
AEROMEDICAL SPECIALTY
AFSC 4F0X1**

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AEROMEDICAL SPECIALTY
AFSC 4F0X1
CAREER FIELD EDUCATION AND TRAINING PLAN

PART I

PREFACE

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and core training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide Aeromedical personnel a clear career path to success and instills rigor in all aspects of career field training. **Note:** Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts; both parts of the plan are used by supervisors to plan, manage, and control training within the career field.

2.1. Part I provides information necessary for overall management of the specialty. **Section A** explains how everyone will use the plan; **Section B** identifies career field progression information, duties and responsibilities, training strategies, and career field flowcharts; **Section C** associates each skill level with specialty qualifications (knowledge, education, training, experience and other); **Section D** indicates resource constraints i.e., 3/5/7/9 level formal/OJT training. Some examples are funds, manpower, equipment, and facilities; **Section E** identifies transition training guide requirements for SSgt through MSgt.

2.2. Part II includes the following: **Section A** identifies the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training, USAFSAM/AF (AFMC) conducted training, wartime course, core task and correspondence course requirements; **Section B** contains the course objective list training standards supervisors will use to determine if airmen satisfied training requirements; **Section C** identifies available OJT support materials. An example is a Qualification Training Packages (QTPs) which may be developed to support proficiency training. These packages are indexed in AFIND 8, Numerical Index of Specialized Educational Training Publications; **Section D** identifies a training course index supervisors can use to determine resources available to support training. Included are both mandatory and optional courses; **Section E** identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs. **Section F** is specific to medical AFSC's and provides guidance on documentation in the Enlisted Training and Competency Folder.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATIONS AND ACRONYMS/TERMS EXPLAINED

Advanced Training (AT). Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

Air Force Job Qualification Standard/Command Job Qualification Standard (AFJQS/CJQS). A comprehensive task list which describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS/CJQS are common to all persons serving in the described duty position.

Allocation Curves. The relation of hours of training in different training settings to the degree of proficiency which can be achieved on specified performance requirements.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document encapsulating the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Career Training Guide (CTG). A document that uses Task Modules (TMs) in lieu of tasks to define performance and training requirements for a career field.

Continuation Training. Additional training exceeding requirements with emphasis on present or future duty assignments.

Core Task. A task Air Force career field managers (AFCMs) identify as a minimum qualification requirement within an Air Force specialty or duty position. These tasks exemplify the essence of the career field - the foundation.

Course Objective List (COL). A publication, derived from initial/advanced skills course training standards, identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-/7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, Developing, Managing and Conducting Military Training Programs.

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a field training detachment (FTD) or by a mobile training team.

Instructional System Development (ISD). A deliberate and orderly, but flexible process for planning, developing, implementing, and managing instructional systems. It ensures personnel are taught in a cost efficient way the knowledge, skills, and attitudes essential for successful job performance.

Initial Skills Training. A formal resident course which results in award of the entry level.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training conducted to certify personnel in both upgrade (skill level award) and job qualification (duty position certification) training.

Optimal Training. The ideal combination of training settings resulting in the highest levels of proficiency on specified performance requirements within the minimum time possible.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an individual in a specific duty position. This portion of the dual channel on-the-job training program occurs both during and after the upgrade training process. It is designed to provide the performance skills required to do the job.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in another audiovisual format.

Representative Sites. Typical organizational units having similar missions, weapon systems or equipment, or a set of jobs, used as a basis for estimating average training capacities and costs within the Training Impact Decision System (TIDES).

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being delivered.

Skills Training. A formal course which results in the award of a skill level.

Specialty Training. A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in the award of a skill level.

Specialty Training Package and COMSEC Qualification Training Package. A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by Air Education and Training Command (AETC), approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

Specialty Training Standard (STS). An Air Force publication that describes skills and knowledge levels that airman in a particular Air Force specialty need on the job. It further serves as a contract between AETC and the user to show the overall training requirements for an Air Force specialty code that the formal schools teach.

Standard. An exact value, a physical entity, or an abstract concept, established and defined by authority, custom, or common consent to serve as a reference, model, or rule in measuring quantities or qualities, establishing practices or procedures, or evaluating results. A fixed quantity or quality.

Sustainment Training. Regular and recurring training necessary to maintain skills of a fully qualified individual to adequately perform the mission and related duties required by their job in peacetime and wartime.

Task Module (TM). A group of tasks performed within an Air Force specialty that are performed together and that require common knowledge, skills, and abilities. TMs are identified by an identification code and a statement.

Total Force. All collective Air Force components (active, reserve, guard, and civilian elements) of the United States Air Force.

Training Capacity. The capability of a training setting to provide training on specified requirements, based on the availability of resources.

Training Impact Decision System (TIDES). A computer-based decision support technology being designed to assist Air Force career field managers in making critical judgments relevant to what training should be provided within career fields, when training should be provided (at what career points), and where training should be conducted (training setting).

Training Planning Team (TPT). Comprised of the same personnel as a Utilization and Training Workshop (U&TW), however TPTs are more intimately involved in training development and the range of issues are greater than is normal in the U&TW forum.

Training Requirements Analysis. A detailed analysis of tasks for a particular Air Force Specialty (AFS) to be included in the training decision process.

Training Setting. The type of forum in which training is provided (formal resident school, on-the-job, field training, mobile training team, self-study etc.).

Upgrade Training (UGT). Mandatory training which leads to attainment of higher level of proficiency.

Utilization and Training Pattern. A depiction of the training provided to and the jobs performed by personnel throughout their tenure within a career field or Air Force specialty. There are two types of patterns: 1) Current pattern, which is based on the training provided to incumbents and the jobs to which they have been and are assigned; and 2) Alternate pattern, which considers proposed changes in manpower, personnel, and training policies.

Utilization and Training Workshop (U&TW). A forum of Major Air Command (MAJCOM) Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

SECTION A - GENERAL INFORMATION

1. Purpose. This CFETP provides information necessary for aeromedical career field managers, commanders, training managers, supervisors, trainers, trainees and the technical training center to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training individuals in this AFS must receive to develop and progress throughout their career. It identifies initial skills, upgrade, qualification, advanced, and continuation training. Initial skills training is the AFS specific training an individual receives upon entering this specialty. Training is provided by the USAF School of Aerospace Medicine (USAFSAM) at Brooks AFB, TX. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, and 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge training required to do the job. Advanced training is formal AFS training used for selected airmen. Continuation training is additional training, either in-residence or via exportable training material, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP also serves the following purposes:

1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.

1.2. Identifies task and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.

1.3. Lists training courses available in the specialty, identifies sources of training, and the training delivery method.

1.4. Identifies major resource constraints which impact full implementation of the desired career field training process.

2. Uses. The plan will be used at all levels to ensure a comprehensive and cohesive training program is available/instituted for each individual in the career ladder.

2.1. USAFSAM training personnel will develop/revise formal resident and exportable training based on requirements established by users and documented in Part II of the CFETP. They will also work with the Air Force Career Field Manager (AFCFM) to develop procurement and acquisition strategies for obtaining resources needed to provide the identified training.

2.2. The MAJCOM functional managers (MFMs) ensure MAJCOM training programs complement the CFETP mandatory initial skills and upgrade requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or via exportable training. MAJCOM-developed training to support this AFS must be identified for inclusion in this plan and must not duplicate training already available.

2.3 Qualification Training Packages (QTP) are developed by USAFSAM/AF according to priorities assigned by the AFCFM.

2.4. Each individual will complete the mandatory training requirements specified in this plan. The lists of courses in Part II, Sections A and B, will be used as a reference to determine required training.

3. Coordination and Approval. The CFETP will be approved and maintained by the AFCFM. MFMs and the Superintendent of the Department of Aerospace Medicine (USAFSAM/AF) will review the CFETP annually to ensure currency and accuracy and forward recommended changes to the AFCFM. MAJCOMs must make sure training isn't developed that can be satisfied by existing courses.

SECTION B - CAREER PROGRESSION AND INFORMATION

1. Specialty Description.

1.1. Specialty Summary. Assists aerospace medicine physicians and staff in implementing the aerospace medicine program. Supports flying and special operational duty personnel, and their family members with emphasis on preventive health care, routine medical care and treatment. Applies medical standards for initial and continued qualification of all Air Force members. Provides bare-base medical support for operational flying squadrons. Related DoD Occupational Subgroup: 305.

1.2. Duties and Responsibilities. Provides clinical medicine and medical administrative support to the aerospace medicine physician in routine care of aircrew, special operational duty personnel, and their family members. Performs paraprofessional portions of physical examinations. Assists physician staff to interpret and apply medical standards to determine medical qualifications for occupational duty, worldwide duty, mobility status, flying status, and special duty. Serves as member of primary emergency medical response team to all inflight emergencies, potential mass casualty scenarios, and incidents involving military aircraft. Assists aerospace medicine physicians with aircraft mishap and physiological incident response, investigation, and reporting. Supports aerospace medicine physicians in developing flying safety and deployment briefings. Provides conduit for technical information and program coordination between the chief of aerospace medicine and major sections of the aerospace medicine program. Deploys as a squadron medical element member with operational flying squadrons and provides forward area medical care in bare-base environments. Trains other medical specialties on medical and administrative aspects of the aerospace medicine program. Augments search and rescue flying squadrons.

2. Skill/Career Progression. It is essential that everyone involved in training do their part to plan, develop, manage, conduct, and evaluate an effective training program. The guidance provided in this part of the CFETP will ensure individuals receive viable training at the appropriate points in their career. The following narrative, and the AFSC 4F0X1 career field flowcharts, identify the training career path.

2.1. Apprentice (3) Level. Initial skills training in this specialty consists of the tasks and knowledge training provided in the 3-skill level resident course (B3ABY4F031-001, PDS Code WSF) located at USAFSAM. Initial skills training requirements were identified during the 4F0X1 Utilization and Training Workshop, held October 1997 at USAFSAM. The decision to train specific tasks and knowledge items in the initial skills course is based on a review of occupational survey report (OSR) data, training requirements analysis (TRA) data and 4F0X1 subject matter expert input. Task and knowledge training requirements are identified in the specialty training standard, at Part II, Sections A and B. Individuals must complete the initial skills course to be awarded AFSC 4F0X1.

2.2. Journeyman (5) Level. Training for this skill level includes the completion of Career Development Course (CDC) 4F051 and the maintenance of current certification as a Nationally Registered Emergency Medical Technician (NREMT). While performing duties as a USAF Hearing Conservationist, maintenance of appropriate certification is required.

Note: The Aeromedical Skills Development Course (B3AZY4F051-003, PDS Code 44N) is available for transitional training for those Journeymen who have held the “5” skill level for a minimum of 18 months since Aeromedical Apprentice Course graduation. See AFI 48-101 for guidance on completing this course prior to assuming a leadership role in Flight/Missile Medicine.

2.3. Craftsman (7) Level. Training for this skill level includes the completion of the Aeromedical Skills Development Course (B3AZY4F051-003, PDS Code 44N), the Aeromedical Craftsman exportable training material, and formal course (B3ACY4F071-000, PDS Code 2IF), and current certification as a NREMT. While performing duties as a USAF Hearing Conservationist, maintenance of appropriate certification is required. **Note:** Exportable training is a prerequisite for attendance at the formal Aeromedical Craftsman Course. This training must be completed and verified by the member’s supervisor prior to departing for attendance at the school.

2.4. Superintendent (9) Level. Training for this skill level includes the completion of the Aerospace Medicine Supervisor Course (B3AZY4F071-000, PDS Code 4JM).

3. Training Decisions. This CFETP was developed to include life-cycle training requirements for this specialty. Included in this spectrum is the strategy of when, where, and how to meet these training requirements. The strategy must be apparent and affordable to reduce duplication of training and eliminate a fragmented approach to training. The following training decisions were made during the AFSC 4F0X1 Utilization and Training Workshop, held October 1997.

3.1. Initial Skills Training. The initial skills course was revised to provide training needed to prepare graduates for aeromedical positions.

3.2. Five (5) Level Upgrade Training Requirements. CDC 4F051 was revised to delete outdated STS elements and to update STS elements. Significant changes added core tasks, and established requirements for 5-level skills.

3.3. Seven (7) Level Upgrade Training Requirements. The advanced skills course was revised to provide SSgts the education and training skills necessary to become 7-level craftsmen.

3.4. Qualification Training Packages (QTPs). If QTPs are developed by MAJCOMs or USAFSAM/AF to support core tasks across all Aerospace Medicine Specialty duty positions, they will be indexed in AFIND 8, along with the CFETP.

4. Community College of the Air Force. Enrollment in CCAF occurs upon completion of basic military training. Off-duty education is a personal choice but highly encouraged! CCAF provides the opportunity to obtain an Associates in Applied Sciences Degree. In addition to its associates degree program, CCAF offers the following:

4.1. Occupational Instructor Certification. Upon completion of instructor qualification training, consisting of the instructor methods course and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

4.2. Trade Skill Certification. When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The college uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

4.3. Degree Requirements. All airmen are automatically entered into the CCAF program. Prior to completing an associates degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education.....	24
Leadership, Management, and Military Studies.....	6
Physical Education.....	4
General Education.....	15
Program Elective.....	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total..	64

4.3.1. Technical Education (24 Semester Hours): A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses. Requests to substitute subjects/courses must be approved in advance by the Services Branch at CCAF.

Technical Core

<u>Subjects/Courses</u>	<u>Semester Hours</u>
CCAF Internship	
16	
Emergency Medicine	
6	
Human Anatomy and Physiology.....	
8	
Hyperbaric Medicine	
12	
Kinesiology	
3	
Nursing	
6	
Occupational Therapy	
6	

Technical Electives

<u>Subjects/Courses</u>	<u>Semester Hours</u>
AF Enlisted Professional Military Education.....	12
Algebra based Physics.....	
4	
Basic Medical Readiness.....	3
Computer Science	
6	
General Biology	
4	
General Chemistry	
8	
General Psychology	
6	
Survival Training	
6	

4.3.2. Leadership, Management, and Military Studies (6 Semester Hours): Professional military education and/or civilian management courses. The preferred method of completing Leadership, Management, and Military Studies is through attendance at an Airman Leadership School, NCO Academy, and/or Air Force Senior NCO Academy. However, civilian courses that emphasize fundamentals of managing human or material resources may also be applicable.

4.3.3. Physical Education (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.

4.3.4. General Education (15 Semester Hours): This requirement is satisfied by application of courses accepted in transfer or by testing credit. The following is a specific breakout of requirements:

<u>Subjects/Courses</u>	<u>Semester Hours</u>
Oral Communication (Speech)	
3	
Written Communication (English Composition).....	3
Mathematics	
3	
Algebra or a college-level mathematics course is required. If an acceptable mathematics course is applied as a Technical or Program	
Elective, a natural science course meeting General Education Requirement (GER)	
application criteria may be applied as a GER.	
Social Science	
3	
Anthropology, Archaeology, Economics, Geography, Government, History,	
Political Science, Psychology and Sociology	
Humanities	
3	
Fine Arts (History, Criticism, and Appreciation), Foreign Language, Literature,	
Philosophy, and Religion.	

4.3.5. Program Elective (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.








4.4. Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command Instructor should be actively pursuing an associates degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

5. Career Field Path.

5.1. Manpower Table.

		CMSgt	SMSgt	MSgt	TSgt	SSgt	SrA	A1C/AMN/AB
Base Level		0	13	55	90	255	318	212
MAJCOM Staff		8	1	0	2	3	0	0
HQ USAF Staff		0	0	1	0	0	0	0
FOA/DRU		2	1	3	2	2	0	0
Total	968	10	15	59	94	260	318	212

5.2 Enlisted Career Path

4F0X1 Career Path		
Education and Training Requirements	Grade Requirements	
	Rank (Average 4F0X1 Sew-on)	Special Duty Assignments
Basic Military Training School		
Apprentice Technical School (3 Skill Level)	 (6 months)  (16 months)	N/A
Upgrade To Journeyman (5 Skill Level) <ul style="list-style-type: none"> Complete 4F051 CDCs Certified in all STS Core Tasks NREMT certification USAF Hearing Conservation certification Minimum 15 months OJT QTPs for assigned position 	 (3 years)	<ul style="list-style-type: none"> Squadron Medical Element Aircrew Duty Hyperbaric Duty Research Duty
Airman Leadership School (ALS) <ul style="list-style-type: none"> SRA with 48 months TIS or SSgt selectee Resident graduation is a prerequisite for SSgt sew-on (Active Duty only) 	<u>Trainer</u> <ul style="list-style-type: none"> ALS graduate Certified to perform the task to be trained Must have attended a formal trainers course 	
Upgrade To Craftsman (7 Skill Level) <ul style="list-style-type: none"> Minimum rank of SSgt with 18 months OJT (1st day of promotion cycle) Complete Aeromedical Skills Development Course Complete Aeromedical Craftsman Course NREMT certification USAF Hearing Conservation certification QTPs for assigned position 	<u>Certifier</u> <ul style="list-style-type: none"> At least a SSgt with a 5 skill level (or civilian equivalent) A person other than the trainer certified to perform the task to be trained Must have attended a formal trainers course 	
Noncommissioned Officer Academy (NCOA) <ul style="list-style-type: none"> Must be a TSgt or TSgt selectee Resident graduation is a prerequisite for MSgt sew-on (Active Duty only) 	 (7 years)	<ul style="list-style-type: none"> Air Force Special Operations Instructor Duty Aeromedical Consultation Service
	 (14.2 years)	
USAF Senior NCO Academy (SNCOA) <ul style="list-style-type: none"> Must be a MSgt, SMSgt selectee, SMSgt, CMSgt selectee, or a CMSgt Resident graduation is a prerequisite for CMSgt sew-on (Active Duty only) 	 (17.1 years)	<ul style="list-style-type: none"> Special Duty Assignments to MAJCOM, DODMERB, and the USAF Academy
Upgrade To Superintendent (9 Skill Level) <ul style="list-style-type: none"> Rank of SMSgt or SMSgt selectee Complete all required duty position training Complete Aeromedical Supervisors Course Resident graduate of the SNCOA (Active Duty only) 	 (19.9 years)	

Chief Enlisted Manager (CEM)
(4F000)



(24.6 years)

**4F051/4F071 SPECIAL OPERATIONS
FORCES MEDICAL ELEMENT (SOFME)**

**SELECTION FOR SOFME DUTY BY
EQUAL PLUS APPLICATION**

ADVANCED CARDIAC LIFE SUPPORT

ADVANCED TRAUMA LIFE SUPPORT

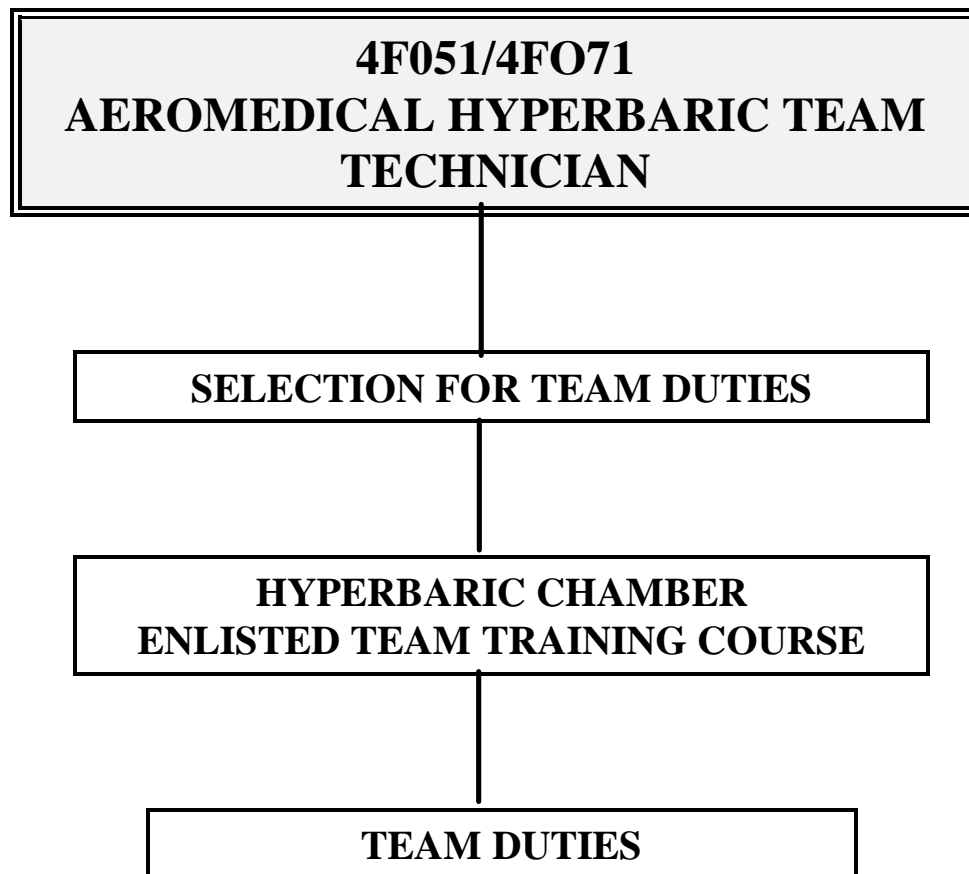
INDEPENDENT DUTY MEDICAL TECHNICIAN

EMT INTERMEDIATE/PARAMEDIC

Notes:

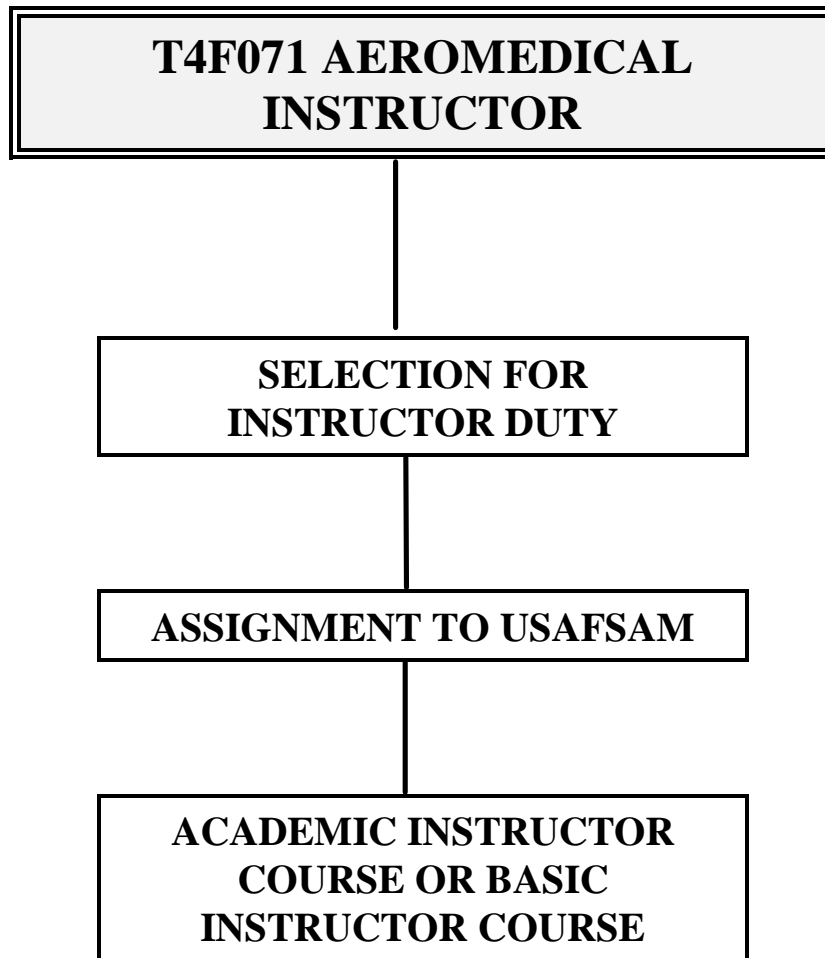
1. This duty requires frequent TDYs.
2. Qualification for operational support flying duty (ASC 9C) is mandatory.
3. Must be capable of completing helicopter under water egress training.
4. Must be at least E-5 for IDMT course attendance.
5. SEI 496 awarded after formal IDMT course completion.

6. Maintain IDMT skills using Air Force approved refresher course.
7. Additional training may be required by duty location.
8. Selection by Equals Plus.



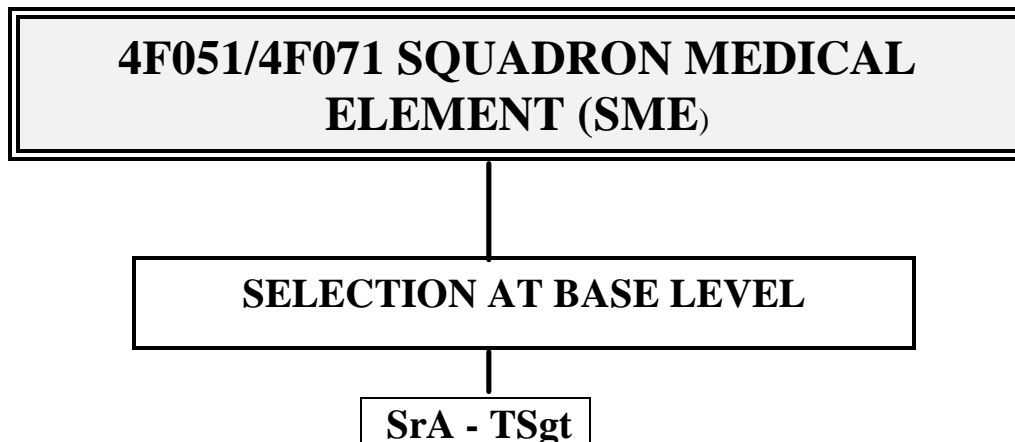
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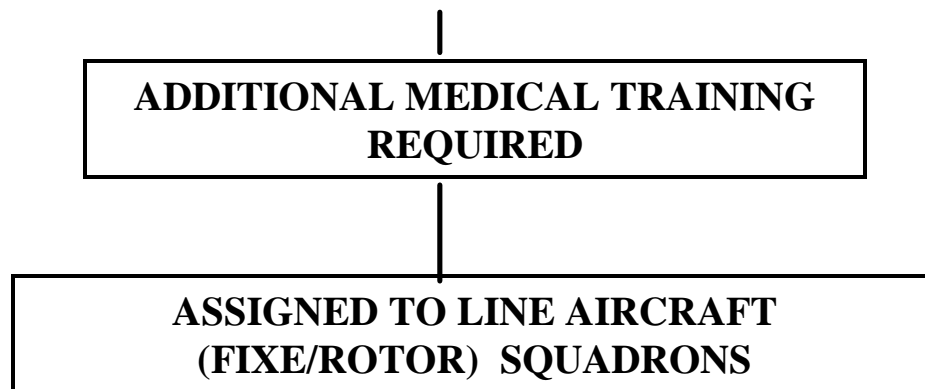
1. Special medical standards are required for selection.



Notes:

1. Must be within 6 semester hours of an associates degree or higher.
2. Must possess at least an associates degree within 1 yr after assignment.
3. Special duty application required, see AFI 36-2110.





Notes:

1. This duty requires frequent TDYs.
2. Section 14, Aeromedical Contingency Operations of CFETP required for selection and continued assignment.
3. Additional training may be required by duty location.
4. Waiver required through MAJCOM of assignment for rank adjustment.

SECTION C - SKILL LEVEL TRAINING REQUIREMENTS

1. Purpose. Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award and retention of each skill level. The specific task and knowledge training requirements are identified in the STS at Part II, Sections A and B of this CFETP.

2. Specialty Qualification Requirements.

2.1. Apprentice Level Training Requirements.

2.1.1. Specialty Qualification.

2.1.1.1. Knowledge. Knowledge of the following is mandatory: anatomy, physiology, preventive medicine, flight physiology fundamentals; emergency medical care; medical and surgical treatment procedures; aeromedical protective equipment; preventive health assessments; physical examination techniques, medical standards; medical ethics; medical terminology; emergency communications; medical materiel; patient care and treatment procedures; supply procedures, information systems; medical service organization and function; and personnel management and administration.

2.1.1.2. Education. For entry into this specialty, completion of high school courses in general science, biology, basic computer skills and verbal communication skills are desirable.

2.1.1.3. Training. For award of AFSC 4F031, completion of the Aeromedical Apprentice Course is mandatory.

2.1.1.4. Other. The following are mandatory as indicated:

2.1.1.4.1. For entry into this specialty, qualification to operate government vehicles according to AFI 24-301.

2.1.1.4.2 For award of AFSC 4F031 certification from the National Registry of Emergency Medical Technicians as an emergency medical technician (Basic).

2.1.1.4.3 For award of AFSC 4F031 completion of the USAF Hearing Conservation Course.

2.1.1.4.4 Minimum score of 43 (General) on the Armed Services Vocational Aptitude Battery (ASVAB); no record of emotional instability; valid civilian drivers license, and strength aptitude of "H" (demonstrative weight lift of 50 lbs).

2.1.2. Training Sources/Resources. Completion of the Aeromedical Apprentice Course (B3ABY4F031-001, PDS Code WSF) at USAFSAM satisfies the knowledge and training requirements specified in the specialty qualification section for the 3 skill level. The COL (Part II, Section B of this CFETP) identifies all the knowledge and tasks, with their respective standards. QTPs are Air Force publications and are mandatory for use during upgrade/qualification training when available for a duty position, program, or piece of equipment. They are obtained through normal publication channels in accordance with AFIND 8. A list of all training courses to support education and training, to include QTPs, is in Part II, Sections A and B, respectively, of this CFETP.

2.1.3. Implementation. After 3-level graduation, job qualification training starts when an individual is assigned to their first duty position. Thereafter, it is initiated at anytime an individual is assigned duties that they are not currently certified to perform. QTPs will be used concurrently to obtain necessary duty position qualifications .

2.2. Journeyman Level Training Requirements.

2.2.1 Specialty Qualification. Possession of 4F031 AFSC

2.2.1.1. Knowledge. For the basic AFSC including all shredouts and Special Experience Identifiers (SEIs), knowledge as indicated in Part II, Section A, items 1 through 13, and core tasks identified in item 14 are required .

2.2.1.1.1. For those assigned as SME technicians, knowledge of the following is mandatory: All items identified in Part II, Section A, Item 14, Aeromedical Contingency Operations. Completion of the formal Aeromedical Contingency Operations Course (ACOC), once available, will be mandatory prior to assignment in a SME position.

2.2.1.1.2. For those assigned as Aeromedical Hyperbaric Team Technicians, knowledge of the following is mandatory: emergency medical and dental treatment, depth physiology and hyperbaric treatment procedures.

2.2.1.2. Education. To assume the grade of SSgt individuals must be graduates of the Airman Leadership School.

2.2.1.3. Training. Completion of the following requirements are mandatory for the award of the 5-skill level AFSC: (1) CDC 4F051, (2) any QTPs for assigned duty positions, (3) all STS core tasks, (4) NREMT certification, (5) USAF Hearing Conservationist certification, and (6) at least 15 months year OJT. Continuation training is based on the individual's local training needs. Completion of the Hyperbaric Chamber Enlisted Team Training Course is mandatory before being assigned to Aeromedical Hyperbaric Team Technician duties.

2.2.1.4. Experience. Current qualification as a Aeromedical Apprentice is mandatory.

2.2.1.5. Other. Physical qualifications for aircrew and hyperbaric duty according to AFI 48-123, Medical Examination and Standards, are mandatory, if performing those duties.

2.2.2. Training Sources/Resources. Completion of CDC 4F051 satisfies the knowledge requirements specified in the specialty qualification section for the award of the 5-skill level. The STS identifies all core tasks required for qualification. Upgrade and qualification training is provided by qualified trainers using available QTPs written for the duty position, program to be managed, equipment to be used, or procedures to be performed. QTPs are Air Force publications

and are mandatory for use when available for a duty position, program, or piece of equipment. They are obtained through normal publication channels in accordance with the procedures in AFIND 8. Procedures for requesting development of QTPs are in Part II, Section A and B, respectively, of this CFETP. Requests for qualified trainers should be directed to your base training manager.

2.2.3. Implementation. Entry into upgrade training is initiated when an individual possesses the 3-skill level and the required three months experience at the 3-skill level. Qualification training is initiated anytime an individual is assigned duties they are not qualified to perform. CDC 4F051, and all core tasks will be completed for award of the 5-skill level.

2.3. Craftsman Level Training Requirements.

2.3.1 Specialty Qualification. Possession of 4F051 AFSC .

2.3.1.1 Knowledge. For the basic AFSC including all shredouts and Special Experience Identifiers (SEIs), knowledge as indicated in Part II, Section A, items 1 through 13, and core tasks identified in item 14 are required.

2.3.1.1.1 For those assigned as Air Force Special Operations Technicians (SEI 306)/4F071, Independent Duty Medical Technician (SEI 496), knowledge of the following is mandatory: emergency medical and dental treatment, clinical medicine, handling of chemical casualties, BES, PH, medical administrative and logistical support.

2.3.1.1.2 For those assigned as SME Technicians, knowledge of the following is mandatory: all items identified in Part II, Section A, Item 14, Aeromedical Contingency Operations. Completion of the formal Aeromedical Contingency Operations Course (once available) will be mandatory prior to assignment in a SME position.

2.3.1.1.3 For those assigned as Aeromedical Hyperbaric Team Technicians, knowledge of the following is mandatory: emergency medical and dental treatment, depth physiology and hyperbaric treatment procedures.

2.3.1.1.4 For those assigned as Aeromedical Instructors, knowledge of the following is mandatory: NREMT instructional programs, Instructional Systems Development, and general knowledge of aerospace medicine programs.

2.3.1.2. Education. To assume the grade of MSgt individuals must be graduates of the NCO Academy.

2.3.1.3. Training. Completion of the following requirements are mandatory for the award of the 7-skill level AFSC: (a) 18 months OJT training, (b) any QTPs for assigned duty positions, (c) all STS core tasks, (d) NREMT certification, (e) Aeromedical Skills Development Course, (f) grade

of SSgt, and (g) successful completion of the 7-level AFSC awarding course. Continuation training is based on the individual's local training needs.

2.3.1.3.1. Completion of the Academic Instructor School or Basic Instructor Course is mandatory before being assigned as an Aeromedical Instructor. Aeromedical Instructors must possess at least an Associates Degree from an accredited school, or be within 6 semester hours of its' completion and able to complete it within one year after assignment .

2.3.1.3.2. Completion of the Hyperbaric Chamber Enlisted Team Training Course is mandatory before being assigned as an Aeromedical Hyperbaric Team Technician.

2.3.1.3.3. Completion of the Independent Duty Medical Technician course is mandatory before being assigned to independent duty.

2.3.1.4. Experience. Current qualification as an Aeromedical Journeyman is mandatory.

2.3.1.5. Other. Physical qualifications for aircrew and hyperbaric duty according to AFI 48-123, Medical Examination and Standards, are mandatory, if performing those duties.

2.3.2. Training Sources/Resources. Completion of resident 7-Level AFSC awarding course satisfies the knowledge requirements specified in the specialty qualification section for the award of the 7-skill level. The STS identifies all core tasks required for qualification. Upgrade and qualification training are provided by qualified trainers using available QTPs written for the duty position, program to be managed, equipment to be used, or procedures to be performed. QTPs are Air Force publications and are mandatory for use when available for a duty position, program, or piece of equipment. They are obtained through normal publication channels in accordance with the procedures in AFIND 8. Procedures for requesting development of QTPs are in Part II, Section A and B, respectively, of this CFETP. Requests for qualified trainers should be directed to your base training manager.

2.3.3. Implementation. Entry into upgrade training is initiated when an individual is selected for promotion to SSgt, possesses the 5-skill level and the required 18 months experience at the 5 skill level. Qualification training is initiated anytime an individual is assigned duties they are not qualified to perform. The 7-level AFSC awarding course and all core tasks will be completed for award of the 7-skill level.

2.4. Superintendent Level Training Requirements.

2.4.1 Specialty Qualification. Possession of 4F071 AFSC.

2.4.1.1. Knowledge. For the basic AFSC including all shredouts and Special Experience Identifiers (SEIs), knowledge as indicated in Part II, Section A, items 1 through 13, and core tasks identified in item 14 are required.

2.4.1.2. Education. No additional education required..

2.4.1.3. Training. Completion of the duty position training requirements and the Aerospace Medicine Supervisors Course (B3AZY4F071-000, PDS Code 4JM) are mandatory for the award of the 9-skill level AFSC. Continuation training is based on the individual's local training needs.

2.4.1.4. Experience. Current qualification as an Aeromedical Craftsman is mandatory.

2.4.1.5. Other. None.

2.4.2. Training Sources/Resources. None.

2.4.3. Implementation. Entry into training is initiated when an individual possesses the 7-skill level and is a SMSgt select or in the grade of SMSgt or CMSgt. Training is initiated anytime an individual is assigned duties they are not qualified to perform.

SECTION D - RESOURCE CONSTRAINTS

1. Purpose. This section identifies known resource constraints which preclude optimal/desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

2. Apprentice Level Training Constraints.

2.1. Constraints. None.

2.1.1 Impact. N/A.

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2.1.2. Resources Required. N/A.

2.1.3. Action Required. N/A.

2.2. OPR/Target Completion Date. N/A.

3. Five Level Training Constraints.

3.1 Constraint. NREMT certification of ARC personnel as the time available for training coupled with the availability of ARC members may negatively impact the ability to obtain this training.

3.1.1. Impact. This will negatively impact the unit's ability to meet its wartime readiness status.

3.1.2. Resources Required. N/A.

3.1.3. Action Required. Based upon potential constraints, temporary exemption may be a consideration.

3.2. OPR/Target Completion Date. AFRC and ANG/SGPs: 31 Sep 98.

3.3. Constraint. Lack of Resident Aeromedical Contingency Operation Training Course to teach the Part II, Section A, Item 14 requirements of the STS.

3.3.1. Impact. Non-standardization of aeromedical contingency operation training will result in inconsistencies in the Total Force capabilities and mission degradation.

3.3.2. Resources Required. No new training resources required at present.

3.3.3. Action Required. Approval from HQ AFMOA/CC to complete the course development, and to implement the course will fill this void.

3.4. OPR/Target Completion Date. HQ AFMOA/SGOO and 4F0X1 CFM are the OPRs for this action with a targeted completion date of 31 Sep 98.

4. Seven-Level Training Constraints.

4.1. Constraints. Ability to obtain NREMT training for ARC personnel due to time available for training and availability of the ARC member may negatively impact this training.

4.1.1. Impact. This will negatively impact the unit's ability to meet its wartime readiness status.

4.1.2. Resources Required. None.

4.1.3. Action Required. Based upon potential constraints, temporary exemption may be a consideration.

4.2. OPR/Target Completion Date. AFCFM, HQ AFRC/SGPS and ANGRC/SGPA are the OPRs for this constraint and should work out a solution by 31 Sep 98.

SECTION E. TRANSITIONAL TRAINING GUIDE

There are currently no transition training requirements. This area is reserved.

PART II

SECTION A - SPECIALTY TRAINING STANDARD 4F0X1

1. Implementation. The implementation of this STS for technical training provided by USAFSAM is with the class starting 2 Mar 98 and graduating 22 May 98.

2. Purpose. As prescribed in AFI 36-2201, this STS:

2.1. Lists in the column 1 (*Task, Knowledge, and Technical Reference*) the most common tasks, knowledge, and technical references (TR) necessary for airman to perform duties in the 3-, 5-, and 7-skill level. Column 2 (*Core Tasks*) identifies, by asterisk (*), specialty-wide training requirements.

2.2. Provides **certification for OJT**. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date. (*As a minimum, use the following column designators: Tng Comp, Certifier Initials*).

2.3. Shows **formal training** and **correspondence course** requirements. Column 3A of Attachment 2 shows the proficiency to be demonstrated on the job by the graduate as a result of training in course B3ABY4F031-001 (PDS Code WSF) described in AFCAT 36-2223. Column 3B of Attachment 2 shows the proficiency to be demonstrated during upgrade training to the 5-skill level. Column 3C of Attachment 2 shows the career knowledge provided in the 5-skill level Career Development Course 4F051. See ECI/AFSC/CDC listing maintained by the OJT manager for current CDC listings. Column 3D of Attachment 2 shows the career knowledge provided in the 7-skill level OJT. Column 3E shows the exportable training materiel (see note 9) and the proficiency to be demonstrated on the job by the graduate as result of training in the 7-skill level resident course. Item 14, Column 3D and E of Attachment 2 shows the proficiency levels for the Aeromedical Contingency Operations Exportable course and the Aeromedical Contingency Operations Resident course, respectively.

2.4. Qualitative Requirements. Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

2.5. Becomes a **job qualification standard (JQS)** for on-the-job training when placed in AF Form 623, Individual Training Record, and used according to AFI 36-2201. When used as a JQS, the following requirements apply:

2.5.1. Documentation. Completion of training will be documented and certified. Identify duty position requirements by circling the subparagraph number or letter next to the task statement.

2.5.2. Tasks are trained and qualified to the go/no-go level. “Go” means the individual can perform the task without assistance and meet local demands for accuracy, timeliness, and correct use of procedures.

2.6. Is a guide for **development of promotion tests** used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606. WAPS is not applicable to the Air National Guard.

3. Recommendations. Report unsatisfactory performance of individual course graduates as prescribed in AFI 36-2201. Report inadequacies of this STS through channels to USAFSAM/DA (AFMC), 2602 West Gate Road, Brooks AFB, TX, 78235-5252; DSN 240-3320/3225. Reference specific STS paragraphs and/or subparagraphs.

Notes:

1. Users are responsible for updating and annotating the list of Technical References (TR) to indicate current references included in this STS revision.
2. Training in STS paragraph 13r is to be in compliance with certification as a Hearing Conservationist as recommended and approved by the Council on Accreditation in Occupational Hearing Conservation.
3. Underlined TRs are commercial publications or publications of other services considered essential for OJT and mission accomplishment. The medical treatment facility librarian will consolidate TR requirements and order the TRs through appropriate supply channels. See Section C, OJT Support Materials, for a list of the commercial TRs cited.
4. Items annotated with an asterisk (*) in Column 2A of Attachment 2 are the tasks and knowledge levels that are identified as Core Task Requirements and must be certified.
5. Items annotated with a “W” in Column 2A of Attachment 2 are the tasks and knowledge levels that are identified as requirements to be taught during in-resident wartime courses.
6. Training in STS paragraph 10 is to be in compliance with the standards of the Department of Transportation and must meet the standards of the National Registry of Emergency Medical Technicians (NREMT). Certification by NREMT meets the requirements and does not require task recertification on the STS. Annotate the date of certification from NREMT Certificate in column 10C.

7. Training listed in STS paragraph 14 must be accomplished and certified prior to assuming SME duties.
8. Training for these two sub paragraphs can be obtained from local transportation squadron personnel.
9. Proficiencies annotated in Column 3D, Items 1 through 13, indicate task and subject knowledge levels which are required to be certified prior to attendance at the 7-Level resident course.
10. Proficiencies annotated in Column 3E, Items 1 through 13, indicate task and subject knowledge levels which will be covered through the 7-Level exportable training material or at the 7-level resident course. Items which are annotated in normal print will be covered in the 7-Level resident course. Those items which are annotated in **bold and underline** print are to be certified through the 7-Level Exportable Training Material.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

2 Atchments

1. Qualitative Requirements
2. 4F0X1 personnel

ATTACHMENT 1 OF PART 2, SECTION A OF THE 4F0X1 CFETP

THIS BLOCK IS FOR IDENTIFICATION PURPOSES ONLY

TRAINEE'S NAME (LAST, FIRST, MI)	INITIALS (WRITTEN)	SSAN
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PRINTED NAME (N) AND WRITTEN INITIALS (I) OF CERTIFYING OFFICIAL

N/I	N/I
N/I	N/I

QUALITATIVE REQUIREMENTS

Proficiency Code Key

TASK PERFORMANCE LEVELS	
Scale value	Definition: The individual...
1	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (EXTREMELY LIMITED)
2	Can do most parts of the task. Needs help only on hardest parts. (PARTIALLY PROFICIENT)
3	Can do all parts of the task. Needs only a spot check of completed work. (COMPETENT)
4	Can do the complete task quickly and accurately. Can tell or show others how to do the task. (HIGHLY PROFICIENT)

* TASK KNOWLEDGE LEVELS	
Scale value	Definition: The individual...
a	Can name parts, tools, and simple facts about the task. (NOMENCLATURE)
b	Can determine step by step procedures for doing the task. (PROCEDURES)
c	Can identify why and when the task must be done and why each step is needed. (OPERATING PRINCIPLES)
d	Can predict, isolate, and resolve problems about the task. (ADVANCED THEORY)

** SUBJECT KNOWLEDGE LEVELS	
Scale value	Definition: The individual...
A	Can identify basic facts and terms about the subject. (FACTS)
B	Can identify relationship of basic facts and state general principles about the subject. (PRINCIPLES)
C	Can analyze facts and principles and draw conclusions about the subject. (ANALYSIS)
D	Can evaluate conditions and make proper decisions about the subject. (EVALUATION)

Notes:

- * A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Examples: b and 1b)
- ** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.
 - This mark is used alone instead of a scale value to show that no proficiency training is provided in the course or CDC.
- X This mark is used alone in course columns to show that training is required but not given due to limitations in resources.

ATTACHMENT 2 OF PART 2, SECTION A OF THE 4F0X1 CFETP

1. TASKS, KNOWLEDGE LEVEL, & TECHNICAL REFERENCES (TRs)	2. CERTIFICATION FOR OJT						3. TRAINING PROFICIENCY CODES				
1. MISSION AND ORGANIZATIONAL STRUCTURE	A. (W) War Skill & (*) Core Task	B. Start Date	C. Comple- tion Date	D. Trainer's Initials	E. Trainee's Initials	F. Certi- fier's Initials	A. 3-LVL Tech. Training	B. 5-LVL OJT	C. 5- LVL CDC	D. 7-LVL OJT	E. 7-LVL Tech. Training/ Export
TRs: AFPD 48-1; AFI 41-210, 48-101; AFMAN 36-2108											
a. Medical Service											
(1) USAF	W						A	-	B	-	-
(2) MAJCOM							A	-	B	-	-
(3) Base	*						A	B	B	-	-
b. Aerospace Medicine Program Composition	*W						A	B	B	-	<u>B</u>
c. Team Aerospace Interaction	*W						A	-	B	C	<u>B</u>
d. Career Ladder Progression							A	-	B	-	-
e. AFSC Duties											
(1) 4F031							A	-	-	-	-
(2) 4F051							A	-	B	-	-
(3) 4F071							A	-	B	-	
(4) 4F091							A	-	B	-	-
(5) 4F000							A	-	B	-	-
2. SUPERVISION											
TRs: AFI 36-2201, 36-2403, 36-2503, 36-2907; AFMAN 36-2108; AFPAM 36-2627; Blanchard Book/Training Video											
a. Orient newly Assigned Personnel	*						-	b	-	3c	<u>c</u>
b. Work Assignments											
(1) Plan							-	b	-	3c	-
(2) Set priorities							-	b	-	3c	-
(3) Schedule							-	b	-	3c	-
c. Establish Work Requirements											
(1) Work methods							-	b	-	3c	<u>c</u>
(2) Work controls							-	b	-	3c	<u>c</u>
(3) Performance standards							-	b	-	3c	<u>c</u>
d. Evaluate Work Performance/feedback	*						-	b	-	3c	<u>c</u>
e. Resolve Problems											
(1) Technical							-	b	-	c	<u>c</u>
(2) Personnel							-	b	-	c	<u>c</u>
f. Initiate Corrective Action											
(1) Counsel personnel							-	b	-	c	<u>c</u>
(2) Define acceptable behavior							-	b	-	c	<u>c</u>

1. TASKS, KNOWLEDGE LEVEL, & TECHNICAL REFERENCES (TRs)		2. CERTIFICATION FOR OJT					3. TRAINING PROFICIENCY CODES					
3. <u>TRAINING</u>		A. (W) War Skill & (*) Core Task	B. Start Date	C. Comple-tion Date	D. Trainer's Initials	E. Trainee's Initials	F. Certi-fier's Initials	A. 3-LVL Tech. Training	B. 5-LVL OJT	C. 5- LVL CDC	D. 7-LVL OJT	E. 7-LVL Tech. Training/ Export
TRs: AFI 36-2101, 36-2201; AFMAN 36-2108; AFCAT 36-2223												
a. USAF Graduate Field Evaluation Program								-	a	-	A	<u>B</u>
b. Evaluate Training Needs								-	b	-	c	<u>b</u>
c. Plan and Supervise EST												
(1) Prepare job qualification standards								-	-	-	2b	<u>b</u>
(2) Conduct training												
(a) Identify personnel for training								-	-	-	2b	<u>b</u>
(b) Maintain training records		*							a	-	2b	-
(c) Develop and present in-service training								-	2b	-	3c	<u>b</u>
(3) Evaluate training effectiveness												
(a) Career knowledge upgrade		*						-	a	-	c	<u>b</u>
(b) Job proficiency upgrade		*						-	a	-	c	<u>b</u>
(c) Qualification		*						-	a	-	c	<u>b</u>
(d) Sustainment		*						-	a	-	c	<u>b</u>
4. <u>ADMINISTRATION</u>												
TRs: AFIND 2; AFI 11-401, 11-402, 36-2104, 37-138, 41-210, 44-102, 44-119, 48-101, 48-123; AFMAN 37-123, 37-126; AFPAM 48-133; AFH 37-137; AFCAT 36-2223; 21st Century Robert's Rules of Order												
a. General												
(1) Correspondence												
(a) Prepare general correspondence								-	2b	-	2c	<u>b</u>
(b) Maintain policy letter files								-	2b	-	-	-
(c) Maintain official correspondence files								-	2b	-	-	-
(2) Maintain publication files								-	2b	-	-	-
(3) Information systems												
(a) Intro to micro-computers		*W						1a	-	A	-	-
(b) Perform word processing		*						1a	2b	-	2c	3c
(c) Perform data base management / basic entry and retrieval		*W						1a	2b	-	2c	3c
(d) Use of information system		*W						1a	2b	-	2c	3c

(e) Electronic communications	*W						1a	2b	-	2c	3c
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1. TASKS, KNOWLEDGE LEVEL, & TECHNICAL REFERENCES (TRs)	2. CERTIFICATION FOR OJT						3. TRAINING PROFICIENCY CODES				
4. ADMINISTRATION (cont)	A. (W) War Skill & (*) Core Task	B. Start Date	C. Comple- tion Date	D. Trainer's Initials	E. Trainee's Initials	F. Certi- fier's Initials	A. 3-LVL Tech. Training	B. 5-LVL OJT	C. 5- LVL CDC	D. 7-LVL OJT	E. 7-LVL Tech. Training/ Export
(4) Monitor Quality Principles / management activities							-	2a	B	2b	2c/ <u>c</u>
(5) Brief professional staff and others							-	a	A	2b	2b/ <u>c</u>
(6) Plan and Conduct Meetings								1a	-	2b	2b/ <u>b</u>
b. Develop Aerospace Medicine Master Activities Plan							-	b	-	2b	<u>b</u>
c. Flight/Missile Medicine											
(1) Maintain outpatient medical treatment records	*W						b	3c	B	-	<u>c</u>
(2) AF Form 1480A Maintenance	*W						b	3c	B	-	-
(3) Maintain medical recommendations											
(a) Flying or Special Operational Duty Log (AF Form 1041)	*W						b	3b	b	-	<u>b</u>
(b) Medical Recommendation for Flying or Special Operational Duty (AF Form 1042)	*W						b	3b	b	-	-
(4) Monitor grounding management											
(a) Flying or Special Operational Duty Log (AF Form 1041)	*W						b	2b	b	3b	<u>b</u>
(b) Aeromedical Dispositions											
(1) Admission and Disposition Sheet	*						A	2b	b	-	<u>b</u>
(2) Emergency Room Log	*						A	2b	b	-	<u>b</u>
(3) Care provided in other clinics	*						A	2b	b	2c	<u>b</u>
(5) Perform scheduling functions											
(a) Outpatient appointments	*						-	2b	-	-	-
(b) Aerospace medicine physician activities	*						-	2b	-	2c	<u>b</u>

(6) Document non-clinical activities							-	2b	B	2c	¢
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1. TASKS, KNOWLEDGE LEVEL, & TECHNICAL REFERENCES (TRs)	2. CERTIFICATION FOR OJT						3. TRAINING PROFICIENCY CODES				
4. ADMINISTRATION (cont)	A. (W) War Skill & (*) Core Task	B. Start Date	C. Comple- tion Date	D. Trainer's Initials	E. Trainee's Initials	F. Certi- fier's Initials	A. 3-LVL Tech. Training	B. 5-LVL OJT	C. 5- LVL CDC	D. 7-LVL OJT	E. 7-LVL Tech. Training/ Export
(7) Monitor contact lens program							-	2b	B	2c	-
(8) Identification Procedures											
(a) Obtain footprints	*W						a	3b	-	-	-
(b) Collect Deoxyribonucleic Acid (DNA) Specimens	*W						A	3b	A	-	-
d. Physical Examinations and Standards											
(1) Schedule and monitor appointments											
(a) Specialty clinic							-	3b	B	-	-
(b) Physical exams							-	3b	-	-	-
(c) Preventive Health Assessments								3b	-	-	-
(2) Answer examinee's inquiries							-	b	-	c	-
(3) Review medical treatment records											
(a) Incoming and outgoing PCS assignments	*						-	3c	B	-	-
(b) Medical clearances											
(1) Personnel Reliability Program/Security	*						-	3c	B	-	c
(2) Mobility / Deployment	*W						A	3c	B	-	-
(4) Process retraining requests and actions							-	3b	B	3c	-
(5) AF Form 422, Physical Profile Serial Report process											
(a) Prepare and distribute AF 422	*W						b	2b	B	3c	<u>c</u>
(b) Review A & D Sheet							-	b	B	-	-
(6) Maintain suspense files											
(a) Waiver/Follow-up Suspense actions							-	2b	B	3c	<u>c</u>
(b) Assignment Availability Code Roster							-	2b	B	3c	<u>b</u>

1. TASKS, KNOWLEDGE LEVEL, & TECHNICAL REFERENCES (TRs)		2. CERTIFICATION FOR OJT					3. TRAINING PROFICIENCY CODES					
5. <u>SAFETY</u>		A. (W) War Skill & (*) Core Task	B. Start Date	C. Comple- tion Date	D. Trainer's Initials	E. Trainee's Initials	F. Certi- fier's Initials	A. 3-LVL Tech. Training	B. 5-LVL OJT	C. 5- LVL CDC	D. 7-LVL OJT	E. 7-LVL Tech. Training/ Export
TRs: AFI 34-501, 41-106, 48-101, 91-204, 91-301; AFMAN 48-142; AFPAM 91-211												
a. Hazards of 4F0X1 AFSC		*W						A	B	-	-	-
6. <u>RESOURCE MANAGEMENT</u>												
TRs: AFI 41-201, 41-210, AFMAN 23-110, DoDR 7000-14 (Vol. 4)												
a. Supplies and Equipment (Training available through Medical Logistics)												
(1) Accountability and responsibility	*						-	-	A	B	<u>b</u>	
(2) Equipment Authorization List							-	-	A	B	<u>b</u>	
(3) Inventory							-	-	A	2b	<u>b</u>	
(4) Order and Turn-In							-	-	A	2b	<u>b</u>	
(5) Maintenance												
(a) Operator	*						-	-	A	2b	<u>b</u>	
(b) Reports							-	-	A	2b	<u>b</u>	
(c) Request repair, or calibration							-	-	A	2b	<u>b</u>	
(6) Report of Survey							-	-	-	2b	<u>b</u>	
(7) Budget Management									A	2b	3b/ <u>b</u>	
TRs: AFI 38-201, 40-120; AFM 5310, 5310A, 5318												
b. Aerospace Medicine Manpower and Staffing												
(1) Air Force Manpower Standard							-	-	A	2b	<u>b</u>	
(2) Unit manning document							-	-	A	2b	c/ <u>b</u>	
(3) Workload data							-	-	A	2b	<u>b</u>	
TRs: AFI 10-1101, 31-401, 33-211												
c. Specific COMSEC/ COMPSEC /OPSEC Vulnerabilities of 4F0X1 AFSC		*W						A	B	-	-	-
7. <u>INTRODUCTION TO MEDICINE</u>												
TRs: AFI 44-102; Medical Dictionary; <u>The Merck Manual</u> ; <u>Emergency Care and Transportation of the Sick and Injured</u>												
a. Terminology	W						A	-	-	-	-	
b. Ethics	W						A	-	-	-	-	
c. Metric System	W						A	-	-	-	-	
d. Body Structures	W						A	-	-	-	-	
e. Put Prevention Into Practice	*						A	B	-	-	-	
f. Managed Care	*						A	B	-	-	-	

[illegible]

1. TASKS, KNOWLEDGE LEVEL, & TECHNICAL REFERENCES (TRs)	2. CERTIFICATION FOR OJT						3. TRAINING PROFICIENCY CODES				
10. EMERGENCY MEDICINE (cont)	A. (W) War Skill & (*) Core Task	B. Start Date	C. Comple- tion Date	D. Trainer's Initials	E. Trainee's Initials	F. Certi- fier's Initials	A. 3-LVL Tech. Training	B. 5-LVL OJT	C. 5- LVL CDC	D. 7-LVL OJT	E. 7-LVL Tech. Training/ Export
i. Pneumatic Counter Pressure Trousers	W										
j. Patient Lifting	W										
k. Moving Patients	W										
l. Operate Ambulance	W										
m. Perform Basic Life Support											
(1) Infant	W										
(2) Child	W										
(3) Adult	W										
n. Identify and Treat Specific Medical Emergencies											
(1) Obstetrics and Gynecology	W										
(2) Allergies and Poisoning	W										
(3) Stings and bites	W										
(4) Behavioral Emergencies	W										
(5) Infants and children	W										
(6) Diabetic emergencies	W										
(7) Substance abuse	W										
(8) Water emergencies	W										
(9) Environmental emergencies	W										
(10) Burns	W										
(11) Respiratory emergencies	W										
o. Scene Techniques											
(1) Extrication	W						A	2b	B	2c	c/c
(2) Triage	*W						A	2b	B	2c	c/c
11. AEROMEDICAL READINESS TRAINING											
TRs: AFI 41-106, 48-101; AFMAN 32-4004											
a. Provide Emergency Response Team Training to:											
(1) Crash ambulance crews	*W						A	2b	-	2c	c/ <u>c</u>
(2) Crash and fire-fighting crews	*W						A	2b	-	2c	c/ <u>c</u>
b. Provide Training For Disaster Site Operations	* W						A	2b	-	2c	c/ <u>c</u>
c. Pre-Deployment Planning											
(1) Present medical intelligence briefing	*W						A	2b	-	-	2b/ <u>B</u>
(a) Determine deployed site requirements	*						A	2b	-	-	b/ <u>b</u>
(b) Maintenance, inventory, and supply requirements	*						A	2b	-	-	b/ <u>b</u>

1. TASKS, KNOWLEDGE LEVEL, & TECHNICAL REFERENCES (TRs)	2. CERTIFICATION FOR OJT						3. TRAINING PROFICIENCY CODES				
11. <u>AEROMEDICAL READINESS TRAINING</u> (cont)	A. (W) War Skill & (*) Core Task	B. Start Date	C. Comple- tion Date	D. Trainer's Initials	E. Trainee's Initials	F. Certi- fier's Initials	A. 3-LVL Tech. Training	B. 5-LVL OJT	C. 5- LVL CDC	D. 7-LVL OJT	E. 7-LVL Tech. Training/ Export
d. Conduct Pallet Build up (See note 8)	W						A	2b	b		
e. Hazardous Cargo Handling Requirements (See note 8)	W						A	2b	A		
12. <u>AEROSPACE MEDICINE</u>											
TRs: AFI 11-401, 11-402, 11-403, 36-2208, 41-210, 48-101, 48-112, 48-123; <u>Fundamentals of Aviation Medicine</u>											
a. Aerospace Crew Positions/Duties	*W						A	B	-	-	-
b. Participate in Flight/Missile Operations											
(1) Orientation flights							-	A	-	-	-
(2) Alert tours							-	A	-	-	-
(3) Life support section							-	b	A	2b	<u>b</u>
(4) Flight line							-	b	A	2b	<u>b</u>
(5) Missile launch facilities							-	b	A	2b	<u>b</u>
c. Evaluate and Report Aeromedical Conditions in the Following Flight Related Environments:											
(1) Squadron/alert facilities	*						-	b	A	2b	<u>b</u>
(2) Air Traffic Control facilities	*						-	b	A	2b	<u>b</u>
(3) Life support section	*						-	b	A	2b	<u>b</u>
(4) Flight line	*						-	b	A	2b	<u>b</u>
(5) Missile launch facilities							-	b	A	2b	<u>b</u>
d. Aerospace Physiology											
(1) Physics of the atmosphere	*W						A	-	B	B	B/ <u>C</u>
(2) Identify and treat dysbarisms (DCS)	*W						a	2b	B	3b	B/ <u>C</u>

1. TASKS, KNOWLEDGE LEVEL, & TECHNICAL REFERENCES (TRs)	2. CERTIFICATION FOR OJT						3. TRAINING PROFICIENCY CODES				
12. AEROSPACE MEDICINE (cont)	A. (W) War Skill & (*) Core Task	B. Start Date	C. Comple- tion Date	D. Trainer's Initials	E. Trainee's Initials	F. Certi- fier's Initials	A. 3-LVL Tech. Training	B. 5-LVL OJT	C. 5- LVL CDC	D. 7-LVL OJT	E. 7-LVL Tech. Training/ Export
(3) Speed and Acceleration	*W						A	-	B	B	B/ <u>C</u>
(4) Spatial Disorientation	*W						A	-	B	B	B/ <u>C</u>
(5) Hyperbaric Medicine	*W						A	-	-	B	B/ <u>C</u>
(6) Hypoxia / Hyperventilation	*W						A	2b-	B	B	B/ <u>C</u>
(7) Human factors	*W						A	-	B	B	B/ <u>C</u>
e. Flying/Missile Safety Program											
(1) Principles and hazards											
(a) Flying							A	-	B	-	-
(b) Missile							A	-	B	-	-
(2) Flight/Missile Medicine control center operations	*W						A	2b	-	3b	b/ <u>b</u>
(3) Crash ambulance / Vehicles											
(a) Perform vehicle operations	*W						A	3b	-	3c	b/ <u>b</u>
(b) Perform response team duties	*W						A	2b	A	3c	b/ <u>b</u>
(c) Maintain supplies and equipment	*W						A	2b	B	3c	b/ <u>b</u>
(d) Operate communication systems	*W						A	3b	-	3c	b/ <u>b</u>
(e) Perform flight line operations	*W						A	3b	B	3c	b/ <u>b</u>
(4) Aircraft/Missile mishaps											
(a) Maintain kits	*						-	3b	A	3c	b/ <u>b</u>
(b) Use grid maps	*						-	3c	b		3c/ <u>b</u>
(c) Assist on-scene	*						A	b	b	3c	3c/ <u>b</u>
(d) Prepare reports							A	b	b	3b	3b
(e) Medical processing											
(1)Survivors	*W						A	b	B	c	2b/ <u>b</u>
(2) Fatalities	*W						A	b	B	c	2b/ <u>b</u>
(3) Pathological specimens	*						A	b	b	c	c/ <u>B</u>

1. TASKS, KNOWLEDGE LEVEL, & TECHNICAL REFERENCES (TRs)	2. CERTIFICATION FOR OJT						3. TRAINING PROFICIENCY CODES				
13. PHYSICAL EXAMINATIONS	A. (W) War Skill & (*) Core Task	B. Start Date	C. Comple- tion Date	D. Trainer's Initials	E. Trainee's Initials	F. Certi- fier's Initials	A. 3-LVL Tech. Training	B. 5-LVL OJT	C. 5- LVL CDC	D. 7-LVL OJT	E. 7-LVL Tech. Training/ Export
TRs: AFI 48-101, 48-123; AFPAM 48-132, 48-133											
a.. Types of Physical Examinations	*						A	B	A	-	-
b. Determine Requirements	*						a	3b	A	-	-
c. . Complete Examination Forms and Reports:											
(1) SF 88	*						2b	3b -	-	-	-
(2) SF 93	*						2b	3b	-	-	-
(3) DD Form 2697	*						A	3b			
d. Perform Pulmonary Function Studies							b	3b	B	-	-
e. Dental Examinations and Classifications							A	-	-	-	-
f. Electrocardiograms											
(1) Electrophysiology							A	-	B	-	-
(2) Perform ECG	*W						2b	3b	b	-	-
(3) Special ECG studies							-	A	A	-	-
(4) Tracing disposition	*						A	b	B	-	-
g. Perform Anthropometric Measurements	*						b	3b	B	-	-
h. Perform and Record Visual Screening											
(1) OVT/VTA-ND	*						2b	3c	B	-	-
(2) Pseudo-Isochromatic Plates	*						2b	3c	B	-	-
(3) FALANT	*						2b	3c	B	-	-
(4) Amsler's Grid	*						b	3c	B	-	-
(5) Accommodation	*						2b	3c	B	-	-
(6) Point of Convergence	*						2b	3c	B	-	-
(7) Red Lens Test							2b	3c	B	-	-
(8) Visual fields	*						2b	3c	B	-	-
(9) Tonometry							A	3c	B	-	-
(10) Cockpit vision test (near)	*						a	3c	B	-	-
(11) Cover test	*						a	3c	B	-	-
i. Cycloplegic Refractions							A	b	b	-	-
j. Transpose Refractions	*						b	3c	-	-	<u>b</u>
k. Administer Reading Aloud Test	*						b	3c	-	-	-
l. Quality Control of Physical Examinations	*						2b	2b	A	3c	<u>b</u>
m. Apply Medical Standards	*						2b	3c	A	-	-
n. Waiver Disposition	*						-	2b	B	3c	<u>b</u>

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Note the following changes for item #14, Aeromedical Contingency Operations:

1. 3E reflects Column 3D reflects the exportable training for Contingency Operations (Con-Ops).
2. Column the resident Contingency Operations (Con-Ops) Course.

1. TASKS, KNOWLEDGE LEVEL, & TECHNICAL REFERENCES (TRs)		2. CERTIFICATION FOR OJT						3. TRAINING PROFICIENCY CODES				
14. <u>Aeromedical Contingency Operations</u> (See note 7)		A. (W) War Skill & (*) Core Task	B. Start Date	C. Comple- tion Date	D. Trainer's Initials	E. Trainee's Initials	F. Certi- fier's Initials	A. 3-LVL Tech. Training	B. 5-LVL OJT	C. 5- LVL CDC	D. Con-Ops Export	E. Con-Ops Training Course
TRs: AFI 10-403, 41-106, 41-210, 41-305, 44-102; AFJI 48-107, 48-110; <u>Emergency Care and Transportation of the Sick and Injured</u> (current edition)												
a. Clinical and Emergency Treatment												
(1) Diagnostic Examinations												
(a) Obtain and record medical history										-	<u>B</u>	3b
(b) Perform clinical assessment								-	-	-	<u>B</u>	3b
(2) Patient Disorders												
(a) Integumentary disorders	W							-	-	-	<u>B</u>	B
(b) Eye disorders	W							-	-	-	<u>B</u>	B
(c) ENT disorders	W							-	-	-	<u>B</u>	B
(d) Respiratory disorders	W							-	-	-	<u>B</u>	B
(e) Cardiovascular disorders	W							-	-	-	<u>B</u>	B
(f) Gastrointestinal disorders	W							-	-	-	<u>B</u>	B
(g) Genitourinary disorders	W							-	-	-	<u>B</u>	B
(h) Gynecological disorders	W							-	-	-	<u>B</u>	B
(i) Neurological disorders	W							-	-	-	<u>B</u>	B
(3) Intravenous (IV) therapy												
(a) Determine need for IV therapy	*W							A	c	-	<u>B</u>	c
(b) Determine IV equipment needs	*W							A	c	-	<u>B</u>	c
(c) Assemble equipment	*W							A	3c	-	<u>B</u>	3c
(d) Insert peripheral IV lines	*W							A	3c	-	<u>B</u>	3c
(e) Establish drip rates	*W							A	3c	-	<u>B</u>	3c
(f) Monitor infusion / complications	*W							A	3c	-	<u>B</u>	3c
() Advanced Airway Management												
(a) Perform Esophageal Obturator Airway Intubation	*W							a	3c	-	<u>B</u>	3c

1. TASKS, KNOWLEDGE LEVEL, & TECHNICAL REFERENCES (TRs)	2. CERTIFICATION FOR OJT						3. TRAINING PROFICIENCY CODES				
14. Aeromedical Contingency Operations (cont)	A. (W) War Skill & (*) Core Task	B. Start Date	C. Comple- tion Date	D. Trainer's Initials	E. Trainee's Initials	F. Certi- fier's Initials	A. 3-LVL Tech. Training	B. 5-LVL OJT	C. 5- LVL CDC	D. Con-Ops Export	E. Con-Ops Training Course
(b) Perform Endotracheal Intubation	*W							3c		<u>B</u>	3c
(c) Perform needle cricothyrotomy	*W							3c	-	<u>B</u>	3c
(d) Perform needle thoracentesis	*W						a	3c	-	<u>B</u>	3c
(5) Minor surgical procedures											
(a) Apply aseptic and infection control procedures	*W						A	3c	b	<u>B</u>	3c
(b) Use of local anesthetic	*W						A	3c	B	<u>B</u>	3c
(c) Insert sutures	*W						A	3c	b	<u>B</u>	3c
(d) Remove sutures	*W						A	3c	b	<u>B</u>	3c
(6) Basic casting techniques	*W						A	2b	-	<u>B</u>	3c
(7) Immunization requirements for deployment area											
(a) Determine requirements	W						A	b	-	<u>B</u>	b
(b) Administer immunization	W						b	3c	B	<u>B</u>	-
(c) Adverse reactions											
(1) Recognize	W						A	c	B	<u>B</u>	c
(2) Treat	W						A	3c	B	<u>B</u>	c
TRs: AFI 11-401; AFMAN 48-142											
(8) Basic laboratory procedures											
(a) Collect samples	W										
(1) Tissue							-	2b	A	<u>B</u>	b
(2) Fluid							-	2b	A	<u>B</u>	b
(b) Perform rapid reagent tests	W										
(1) Blood							-	2b	-	<u>B</u>	2b
(2) Urine							-	2b	-	<u>B</u>	2b
(9) Dental treatment											
(a) Assess injuries with dental complications	W						A	b	-	<u>B</u>	b
(b) Perform field emergency treatment	W						A	2b	-	<u>B</u>	2b

1. TASKS, KNOWLEDGE LEVEL, & TECHNICAL REFERENCES (TRs)	2. CERTIFICATION FOR OJT						3. TRAINING PROFICIENCY CODES				
14. Aeromedical Contingency Operations (cont)	A. (W) War Skill & (*) Core Task	B. Start Date	C. Comple- tion Date	D. Trainer's Initials	E. Trainee's Initials	F. Certi- fier's Initials	A. 3-LVL Tech. Training	B. 5-LVL OJT	C. 5- LVL CDC	D. Con-Ops Export	E. Con-Ops Training Course
TR: The Merck Manual											
(10) Pharmacology											
(a) Commonly used drugs	*W						A	B	B	<u>B</u>	B
(b) Uses	*W						A	B	B	<u>B</u>	B
(c) Dispensing	*W						A	2b	B	<u>B</u>	b
(d) Complications	*W						A	B	B	<u>B</u>	B
(e) Precautions	*W						A	B	B	<u>B</u>	B
(f) Schedule Drugs	*W						-	B	B	<u>B</u>	B
(g) Documentation											
(1) Inventory	*W						-	3c	B	<u>B</u>	c
(2) Maintain AF Form 579	*W						-	3c	b	<u>B</u>	3c
b. Deployment Reports											
(1) Pre-deployment	W						A	1b	A	<u>B</u>	b
(2) On-site	W						A	2b	A	<u>B</u>	b
(3) Post-deployment	W						A	2b	A	<u>B</u>	b
g. Deployed Medical Materiel (ATC, ATTU, PAM, etc.)											
(1) Concept of Operations	W						A	3b			c/B
(3) Resource management	W						A	3b	-	-	c/ <u>B</u>
(2) Set up and utilization	W						A	3c	-	-	c/ <u>B</u>
c. Site Selection/Field Sanitation Activities											
(1) Conduct food inspections	*W						A	2b	-	-	c/ <u>B</u>
(2) Establish waste disposal procedures	*W						A	2b	-	-	c/ <u>B</u>
(3) Conduct industrial hygiene inspections	*W						A	2b	-	-	c/ <u>B</u>
(4) Perform water sampling/testing	*W						A	3b	-	-	c/ <u>B</u>
15. MEDICAL READINESS:											
a. Initial Medical Readiness Training as directed by AFI 41-106 is provided in the Aeromedical Apprentice Course conducted at the USAF School of Aerospace Medicine, Brooks AFB, TX. Continuing or on-going Medical Readiness Training for the individual is the responsibility of each medical facility.											

SUMMARY OF CHANGES

This revision incorporates the new STS format, It updates the cover page, certification for OJT, proficiency codes, and training references. Adds 7-level resident, 7-level export, 3-level course extensions, ACOC exportable and in residence requirements, medical readiness, core tasks, and war skills.

SECTION B - COURSE OBJECTIVE LIST

1. Measurement. Measurement of each objective is indicated as follows: **W** indicates task or subject knowledge which is measured using a written test, **PC** indicates required task performance which is measured with a performance progress check, and **PC/W** indicates separate measurement of both knowledge and performance elements using a written test and performance progress check.

2. Standard. The standard is 70% on written examinations. Standards for performance measurement are indicated in the objectives and delineated in the individual progress checklist. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or parts of the behavior until satisfactory performance is attained.

3. Most task performance is taught to the “2b” proficiency level which means the student can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step-by-step procedures for doing the task.

SECTION C - SUPPORT MATERIALS

1. The following list of support materials is not all inclusive; however, it covers the most frequently referenced areas.

<u>Course Number</u>	<u>Course Title</u>	<u>Developer</u>
B3ABY4F031-000	Aeromedical Apprentice	USAFSAM

Aviation Medicine, current edition, Butterworths and Company LTD.

Emergency Care and Transportation of the Sick and Injured, current edition, The American Academy of Orthopaedic Surgeons.

Hearing Conservation Manual, current edition, Council for Accreditation in Occupational Hearing Conservation.

Lippincott Manual of Nursing Practice, current edition, J.B. Lippincott Company.

Merck Manual of Diagnosis and Therapy, current edition, Merck and Company Inc.

Understanding Human Anatomy and Physiology, current edition, Wm. C. Brown Publishers.

SECTION D - TRAINING COURSE INDEX

1. Purpose. This section of the CFETP identifies training courses available for the specialty and shows how the courses are used by each MAJCOM in their career field training programs.

2. Air Force In-Residence Courses.

<u>COURSE NUMBER</u>	<u>TITLE</u>	<u>LOCATION</u>	<u>USER</u>
B3ABY4F031-001	Aeromedical Apprentice	Brooks AFB	AF
B3AZY4F0X1-003,	Aeromedical Skills Development Course	Brooks AFB	AF
B3AZY4F0X1-001,	USAF Hearing Conservationist (Initial)	Brooks AFB	AF
B3AZY4F0X1-002	Hearing Conservation Recertification	Brooks AFB	AF
B3AZY4F071-000	Aerospace Medicine Supervisors Course	Brooks AFB	AF
B3AZY4M051-002	Hyperbaric Chamber Enlisted Team Training Course	Brooks AFB	AF
B3AZY4N0X1-001	Medical Survival Training Course	Brooks AFB	AF

3. Extension Course Institute (ECI) Courses

<u>COURSE NUMBER</u>	<u>TITLE</u>	<u>LOCATION</u>	<u>USER</u>
4F051	Aeromedical Journeyman	Brooks AFB	AF

4. Exportable Courses

There are no exportable courses in this career field.

5. Courses Under Development/Revision

Aeromedical Contingency Operations

SECTION E - MAJCOM UNIQUE REQUIREMENTS

1. The following list of MAJCOM unique responses is not all inclusive; however, it covers the most frequently referenced areas.

Air Force Special Operations Command Training Requirements

All AFSOC Medical Technicians are responsible for maintaining certification in their level of EMT obtained, i.e., EMT-Intermediate or EMT-Paramedic. In addition, AFSOC IDMT's must maintain patient care skills identified in the current 4N0XX CFETP, Atch 8; IDMT STS, and all applicable QTPs.

Air Force Reserve Training Requirements

OPR: HQ AFRES/SGPS, MSgt Clyde Harris, 115 2nd St., Robins AFB, GA. 31098-1635
DSN: 497-0603

1. Purpose: This part applies to **all** Aeromedical Technician personnel assigned to **all** Air Force Reserve medical units and Squadron Medical Elements (SMEs).

2. Additional Apprentice (3-skill level) Training Requirements:

2.1. Upon completion of 3-level technical school, Aeromedical Apprentice (non-prior and cross trainees) will be assigned to an active duty Aeromedical Services and entered into the apprenticeship phase for up to 180 days (minimum 90 days) to acquire proficiency in performing tasks for their skill level. Active duty personnel should ensure that appropriate experiences and supervision are provided to assist the apprentice in gaining the desired confidence and proficiency.

2.2 To ensure that there is continuity between resident technical training, the apprentice will forward a copy of their technical school certificate (AF Form 1256) to their reserve unit of assignment. The reserve unit of assignment will then initiate an AF Form 2096 upgrade action to award the 3-skill level and enter the apprentice in the appropriate training status code (TSC) "B" or "F". This action will begin the apprenticeship phase.

3. Journeyman (5-Skill Level) Training Requirements: When awarded the 5-skill level, trainers will ensure that the trainee is provided training in all of the areas identified in the Sustainment Training Standard (next page, item 5.) as well as the areas required for award of the 7-skill level in the Specialty Training Standard (STS). The Sustainment Training Standard columns show the tasks, skill proficiencies and frequency of training identified by HQ AFRES/SGP. Tasks identified with a "P" will be trained to the level where the trainee can perform the task without assistance and meet requirements for accuracy, competency, and timeliness. For items identified with a "K", trainers will ensure that trainees can "identify the relationship of basic facts and state general

principles about the subject”. After completing these requirements, and mandatory 7- level training identified in this CFETP, trainees are eligible for the award of the 7-skill level.

4. Sustainment Training Requirements: Journeymen, Craftsmen, Superintendents, and Managers Training Requirements: Sustainment training must be completed by Journeymen, Craftsmen, Superintendents, and Managers. Sustainment training for journeymen will begin after award of the 5-skill level. Frequency of training is as indicated in the Sustainment Training Standard. Tasks identified with a “P” must be trained to the level as identified for journeymen. Items identified with a “K”, the trainee must be able to “identify the relationship of basic facts and state general principles about the subject”. Documentation of the reserve members performance or knowledge will be in accordance with HQ AFRC publication.

5. Sustainment Training Standard - Aeromedical Specialty (4F0X1)

Purpose: To ensure that all Reserve Aeromedical Technicians maintain currency and proficiency in those skills associated with the Aerospace Medicine Career Field.

Key:

Frequency: A- Annual
B- Biennial

References: C- Emergency Care and Transportation of the Sick and Injured, current edition.
L- Lippincott Manual of Nursing Practice, current edition.

Skill Proficiency: K- Knowledge of skill
P- Demonstrate skill
E- May be satisfied through EMT training

ITEM #	TASK	FREQUENCY	REFERENCE	SKILL
1.	FLIGHT / MISSILE MEDICINE			
1.1.	ADMINISTRATIVE REQUIREMENTS	-	-	-
1.1.1.	Prepare and maintain outpatient flying medical records	B	AFI 41-210	K, P
1.1.2.	Prepare and distribute AF Forms 1041 / 42	B	AFI 11-401, 48-123	K, P
1.1.3.	Review and maintain aerospace medicine physician's daily log	A	AFI 48-101	K
1.1.4.	Prepare and distribute AF Form 422	A	AFI 48-123	K
1.2.	Recognition and treatment of adverse physiological effects of flying to include: - Hypoxia - Hyperventilation - Decompression sickness - Acceleration forces - Disorientation	B	<u>Fundamentals of Aerospace Medicine</u> , (current ed.)	K
1.3.	FLIGHT OPERATIONS	-	-	-
1.3.1.	Accompany aerospace medicine physicians on shop visits and inspections	B	AFI 48-101	K

ITEM #	TASK	FREQUENCY	REFERENCE	SKILL
1.4.	AMBULANCE TRAINING	-	-	-
1.4.1.	Maintain crash ambulance supplies and equipment	B	AFI 48-101	P
1.4.2.	Operate crash ambulance communication	B	AFI 48-101	P
1.4.3.	Train as a member of the crash ambulance team and be proficient in the following areas:	-	-	-
1.4.3.1.	Extrication	B	C	P, E
1.4.3.2.	Patient handling	B	C	P, E
1.4.3.3.	Loading litter patients	B	C	P, E
1.4.3.4.	Transportation measures	B	C	P, E
1.4.3.5.	Reading grid maps	B	-	P, E
1.5.	FLYING SAFETY	-	-	-
1.5.1.	Attend flying safety meetings and give briefings on aeromedical topics	B	AFI 48-101	P
1.5.2.	Aircraft accident investigation familiarization	B	AFI 91-204	P
2.	PATIENT CARE			
2.1.	Assist the aerospace medicine physician in routine diagnostic and treatment procedures	B	L	P
2.2.	Administer injections	B	L	P
2.3.	Obtain vital signs	B	C	P, E
2.4.	Treat for shock	B	C	K, E
2.5.	Perform patient assessment	B	C	K, E
2.6.	Control bleeding	B	C	K, E
2.7.	Perform general bandaging and wound care	B	C	K, E
2.8.	Evaluate and treat orthopedic injuries	B	C	K, E
2.9.	Pneumatic counter pressure trousers	B	C	K, E
2.10.	Perform IV therapy	B	C	P, E
2.11.	Perform venipuncture	B	C	P, E
2.12.	Identify and treat cardiac emergencies	B	C	K, E
2.13.	Evaluate and treat injuries: - Skull and brain - Eye - Face and throat - Chest - Abdomen and genitalia - Soft tissue - Heat and cold - Burns	B	C	K, E

ITEM #	TASK	FREQUENCY	REFERENCE	SKILL
2.14.	Oxygen therapy and airway management	B	C	K, E
3.	PHYSICAL EXAMINATION AND STANDARDS			
3.1.	Review AFI 48-123 and AFRES supplements	A	AFI 48-123	K
3.2.	Review AFPAM 48-133	A	AFPAM 48-133	2.13.
3.3.	Review and complete the following forms: - SF Form 88 - AF Form 1446 - AF Form 895	B	AFI 48-123	P
3.4.	Conduct interview and document patient's medical history on SF Form 93	B	AFPAM 48-133	P
3.5.	Conduct and record visual examinations to include: - OVT/VTA-ND - Pseudo-Isochromatic Plates - Depth perception - Near point of convergence - Near point of accommodation - Confrontation - Cover test - Non-contact tonometry	B	AFPAM 48-133	P
3.6.	Proper handling of special examinations to include: - Waiver considerations - Fitness for Duty	B	AFI 48-123	K
3.7.	HEARING CONSERVATION PROGRAM	-	-	-
3.7.1.	Maintain certification in hearing conservation	Every 5 years	AFPAM 48-133, AFOSH Standard 161-20	
3.7.2.	Perform and record audiometer calibration	B	AFPAM 48-133, 161-15, AFOSH Standard 161-20	K
3.7.3.	Conduct audiometric testing	B	AFPAM 48-133, AFOSH Standard 161-20	P

ITEM #	TASK	FREQUENCY	REFERENCE	SKILL
3.7.4.	Complete appropriate audiometric forms: - AF Form 1671 - DD Form 2215 - DD Form 2216 - DD Form 2217	B	AFPAM 48-133, AFOSH Standard 161-20	P
3.7.5.	Review disposition of noise exposed personnel: - 15 hour follow ups - 40 hour follow ups - Detailed follow ups	B	AFOSH Standard 48-19, 161-20	K
3.7.6.	Hearing Conservation Diagnostic Center (HCDC) referrals	B	AFOSH Standard 161-20	K

RECOMMENDATIONS: Completion of the following is strongly recommended to increase unit effectiveness, improve individual morale, and enhance the training of Reserve aeromedical technicians in their understanding of Aerospace Medicine.

FLIGHT/MISSILE MEDICINE

- All 4F071's and 4F091's should attend the Aeromedical Supervisors course at least once every three years
- Monthly Flight/Missile Medicine meetings should be conducted with all 4FOX1's and Aerospace Medicine Physicians attending.
- Participation in aerial flights as mission requirements permit.

PHYSICAL EXAMINATION AND STANDARDS

- All 4F051's and 4F071's should attend the Aeromedical Skills Development Course
- All 4FOX1's should attend the AFRC/SG sponsored 4FOX1/Aerospace Medicine Physician's Workshop annually.

RECOMMENDED REFERENCES FOR RESERVE UNITS:

BOOKS:

Clinical Aerospace Medicine, current edition.
Emergency Care and Transportation of the Sick and Injured, current edition.
Aerospace medicine physician's Checklist, current edition.
Fundamentals of Aerospace Medicine, current edition.
Lippincott Manual of Nursing Practice, current edition.

AF PUBLICATIONS:

AFI 11-401, Flight Management
AFI 11-402, Aviation Service, Aeronautical Ratings and Badges
AFI 41-210, Administration of Medical Activities
AFI 44-102, Professional Policies and Procedures
AFI 48-101, Aerospace Medical Operations
AFI 48-123, Medical Examination and Medical Standards
AFI 91-204, Investigating and Reporting US Air Force Mishaps
AFOSH Standard 161-17, Standardized Occupational Health Program
AFOSH Standard 161-20, Hearing Conservation Program
AFOSH Standard 48-19, Hazardous Noise Assessment
AFPAM 48-133, Physical Examination Techniques